

FILE 'REGISTRY' ENTERED AT 14:18:12 ON 10 JAN 2003

          E LIPOIC ACID/CN  
L1          2 S E3  
          E GLYCERYL STEARATE CITRATE/CN  
L2          1 S E3  
          E IMWITOR/CN  
L3          1 S E7  
          E AXOL/CN  
L4          1 S E4  
L5          2 S L3 OR L4

FILE 'STNGUIDE' ENTERED AT 14:19:50 ON 10 JAN 2003

FILE 'REGISTRY' ENTERED AT 14:22:09 ON 10 JAN 2003

L6          STRUCTURE UPLOADED  
L7          10 S L6

FILE 'USPATFULL, CAPLUS' ENTERED AT 14:22:36 ON 10 JAN 2003

L8          12 S L7  
L9          4682 S 1200-22-2/RN OR (((DITHIOLANE-3-PENTANOIC) OR (DITHIOLANE-3-V  
L10         362 S 100359-41-9/RN OR 199015-62-8/RN OR 85411-32-1/RN OR GLYCERYL  
L11         371222 S EMULSION  
L12         4684 S L8 OR L9  
L13         20 S L12 AND L10  
L14         16 S L13 AND L11  
L15          1 S L14 AND PY<2000  
L16         15 S L14 NOT L15  
L17          0 S L16 AND PY<2001  
L18          0 S L16 AND PY<2002  
L19         15 S L16 AND PY<2003

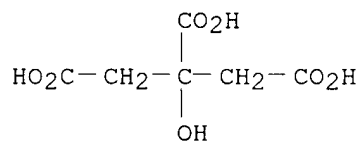
L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS  
RN 100359-41-9 REGISTRY  
CN 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, ester with 1,2,3-propanetriol  
octadecanoate (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Citrem FP 1201  
CN **Glyceryl stearate citrate**  
MF C18 H36 O2 . x C6 H8 O7 . x C3 H8 O3  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

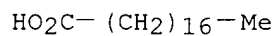
CM 1

CRN 77-92-9  
CMF C6 H8 O7



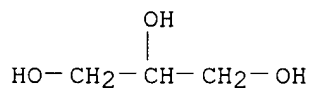
CM 2

CRN 57-11-4  
CMF C18 H36 O2



CM 3

CRN 56-81-5  
CMF C3 H8 O3



22 REFERENCES IN FILE CA (1962 TO DATE)  
22 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L5 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2003 ACS  
 RN 199015-62-8 REGISTRY  
 CN **Imwitor 370 (9CI)** (CA INDEX NAME)  
 MF Unspecified  
 CI MAN  
 SR CA  
 LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
 3 REFERENCES IN FILE CA (1962 TO DATE)  
 3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

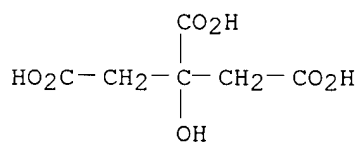
L5 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2003 ACS  
 RN 85411-32-1 REGISTRY  
 CN 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, ester with 1,2,3-propanetriol  
 2-hydroxypropanoate monooctadecanoate (9CI) (CA INDEX NAME)

OTHER NAMES:

CN **Axol C 62**  
 MF C21 H42 O4 . x C6 H8 O7 . x C3 H6 O3  
 LC STN Files: CA, CAPLUS, USPATFULL

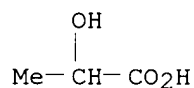
CM 1

CRN 77-92-9  
 CMF C6 H8 O7



CM 2

CRN 50-21-5  
 CMF C3 H6 O3

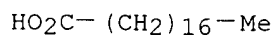


CM 3

CRN 31566-31-1  
 CMF C21 H42 O4  
 CCI IDS

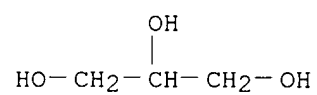
CM 4

CRN 57-11-4  
 CMF C18 H36 O2



CM 5

CRN 56-81-5  
CMF C3 H8 O3



2 REFERENCES IN FILE CA (1962 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

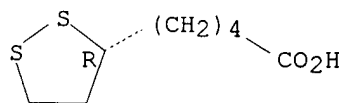
L1 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2003 ACS  
 RN 57828-26-9 REGISTRY  
 CN **Lipoic acid (9CI)** (CA INDEX NAME)  
 MF Unspecified  
 CI COM, MAN  
 LC STN Files: ADISNEWS, AGRICOLA, BIOBUSINESS, BIOSIS, CA, CAPLUS, CEN,  
 CIN, MEDLINE, PROMT, TOXCENTER, USPAT2, USPATFULL

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

330 REFERENCES IN FILE CA (1962 TO DATE)  
 15 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 331 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2003 ACS  
 RN 1200-22-2 REGISTRY  
 CN 1,2-Dithiolane-3-pentanoic acid, (3R)- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 1,2-Dithiolane-3-pentanoic acid, (R)-  
 CN 1,2-Dithiolane-3-valeric acid, (+)- (8CI)  
 OTHER NAMES:  
 CN (R)-(+)-.alpha.-Lipoic acid  
 CN (R)-.alpha.-Lipoic acid  
 CN (R)-Lipoic acid  
 CN .alpha.-(+)-Lipoic acid  
 CN .alpha.-Lipoic acid  
 CN d-Thioctic acid  
 CN **Lipoic acid**  
 CN R-(+)-Thioctic acid  
 FS STEREOSEARCH  
 MF C8 H14 O2 S2  
 CI COM  
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS,  
 BIOTECHNO, CA, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST,  
 CIN, CSCHEM, DIOGENES, DRUGNL, DRUGUPDATES, EMBASE, HODOC\*, IFICDB,  
 IFIUDB, IPA, MEDLINE, MRCK\*, NAPRALERT, PROMT, TOXCENTER, USPAT2,  
 USPATFULL  
 (\*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (+).



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

644 REFERENCES IN FILE CA (1962 TO DATE)  
 51 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 645 REFERENCES IN FILE CAPLUS (1962 TO DATE)